

#### MISSISSIPPI STATE DEPARTMENT OF HEALTH

2/4

#### BUREAU OF PUBLIC WATER SUPPLY

# CALENDAR YEAR 2010 CONSUMER CONFIDENCE REPORT CERTIFICATION FORM

Public Water Supply Name
Public Water Supply Name
List PWS ID #s for all Water Systems Covered by this CCR

The Federal Safe Drinking Water Act requires each *community* public water system to develop and distribute a consumer confidence report (CCR) to its customers each year. Depending on the population served by the public water system, this CCR must be mailed to the customers, published in a newspaper of local circulation, or provided to the customers upon request.

Please Answer the Following Questions Regarding the Consumer Confidence Report

	Customers were informed of availability of CCR by: (Attach copy of publication, water bill or other)
	Advertisement in local paper  On way oills Other
	Date customers were informed: 6/30/2011
	CCR was distributed by mail or other direct delivery. Specify other direct delivery methods:
	Date Mailed/Distributed:/_/_
Z	CCR was published in local newspaper. (Attach copy of published CCR or proof of publication)
	Name of Newspaper: The Tunica Times
	Date Published: 6/30/00 N
	CCR was posted in public places. (Attach list of locations)
	Date Posted: 6 181/2011 Town Hall 909 River RD Tunica MS 38674
)	CCR was posted on a publicly accessible internet site at the address: www
CERT	IFICATION .
onsiste	y certify that a consumer confidence report (CCR) has been distributed to the customers of this public water system in and manner identified above. I further certify that the information included in this CCR is true and correct and is ent with the water quality monitoring data provided to the public water system officials by the Mississippi State ment of Health, Bureau of Public Water Supply.
	Decader Supervisor 6-27-201
Vgme/	Title (President, Mayor, Owner, etc.)  Derasor   Supervisor G-27-2011  Date
	Mail Completed Form to: Bureau of Public Water Supply/P.O. Box 1700/Jackson, MS 39215 Phone: 601-576-7518

570 East Woodrow Wilson • Post Office Box 1700 • Jackson, Mississippi 39215-1700 601/576-7634 • Fax 601/576-7931 • www.HealthyMS.com

## Consumer Confidence Report/Town of Tunica 8: 30

#### Is my water safe?

We are pleased to present this year's Annual Water Quality Report (Consumer Confidence Report) as required by the Safe Drinking Water Act (SDWA). This report is designed to provide details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. This report is a snapshot of last year's water quality. We are committed to providing you with information because informed customers are our best allies.

#### Do I need to take special precautions?

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Water Drinking Hotline (800-426-4791).

#### Where does my water come from?

Our water comes from wells that are located in the Lower and Middle Wilcox Aquifer.

#### Source water assessment and its availability

The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identified potential sources of contamination. The general susceptibility rankings assigned to each well of this system are provided immediately below. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request. The wells for the Town of Tunica have received moderate susceptibility rankings to contamination.

#### Why are there contaminants in my drinking water?

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's (EPA) Safe Drinking Water The sources of drinking water (both tap water and bottled water) Hotline (800-426-4791). include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity: microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban stormwater runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses; organic Chemical Contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems; and radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

#### **Description of Water Treatment Process**

Your water is treated by disinfection. Disinfection involves the addition of chlorine or other disinfectant to kill dangerous bacteria and microorganisims that may be in the water. Disinfection is considered to be one of the major public health advances of the 20th century.

#### How can I get involved?

The Town of Tunica welcomes you to attend our public meetings that are held on the first and third Tuesdays of each month at 3:00 pm at the Town Hall, 909 River Rd, Tunica, MS. The contact number is 662-363-2432.

#### Additional Information for Lead

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Town of Tunica is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead.

## **Water Quality Data Table**

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of contaminants in water provided by public water systems. The table below lists all of the drinking water contaminants that we detected during the calendar year of this report. Although many more contaminants were tested, only those substances listed below were found in your water. All sources of drinking water contain some naturally occurring contaminants. At low levels, these substances are generally not harmful in our drinking water. Removing all contaminants would be extremely expensive, and in most cases, would not provide increased protection of public health. A few naturally occurring minerals may actually improve the taste of drinking water and have nutritional value at low levels. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report. The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not vary significantly from year to year, or the system is not considered vulnerable to this type of contamination. As such, some of our data, though representative, may be more than one year old. In this table you will find terms and abbreviations that might not be familiar to you. To help you better understand these terms, we have provided the definitions below the table.

<u>Contaminants</u>	MCLG or <u>MRDLG</u>	TT, or	Your	100000000000000000000000000000000000000	4.500	Sample <u>Date</u>	and the second contract the second	Typical Source
Disinfectants & Disi								
(There is convincing	evidence th	at additic	n of a di	sinfect	ant is n	ecessary f	or control o	f microbial contaminants)
Chlorine (as Cl2) (ppm)	4	4	1.41	0.79	1.59	2010	No	Water additive used to control microbes
TTHMs [Total Trihalomethanes] (ppb)	NA	80	8.91	ND	8.91	2010	NO	By-product of drinking water disinfection

Arsenic (ppb)	0	0.806 0.538 0.806		2010	10 No		Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes				
Barium (ppm)	2	2	0.01044	0.007 642	.007 0.0104 642 48		1	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits		
Chromium (ppb)	100	100	2.482	ND	2.482	.482 2010		2010		No	Discharge from steel and pulp mills; Erosion of natural deposits
Fluoride (ppm)	4	4	0.46	0.177	0.46	2010	]	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories		
Selenium (ppb)	50	50	3.016	ND	3.016		]	No	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines		
Volatile Organic Cor	itaminant:	S .							41.1		
Xylenes (ppm) 10		10	0.00174	ND	0.0017 4	2010	Ŋ	No .	Discharge from petroleum factories; Discharge from chemical factories		
<u>Contaminants</u>	MCLG	<u>AL</u>	Your <u>Water</u>	Sam <u>Da</u>		# Sampl Exceeding		Excee <u>AL</u>			
Inorganic Contamin	ants										
Copper - action level at consumer taps (ppm)	1.3	3 1.3 0.3 2010		0		No	of natural deposits				
Lead - action level at consumer taps (ppb)	0	15	2	20	10	0	0		Corrosion of household plumbing systems; Erosion of natural deposits		

## **Undetected Contaminants**

The following contaminants were monitored for, but not detected, in your water.

Contaminants	MCLG or MRDLG	MCL or MRDL	Your Water	Violation	Typical Source
Nitrate [measured as Nitrogen] (ppm)	10	10	ND	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Nitrite [measured as Nitrogen] (ppm)	1	1	ND	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Haloacetic Acids (HAA5) (ppb)	NA	60	ND	No	By-product of drinking water chlorination
Cyanide [as Free Cn] (ppb)	200	200	ND	No	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories

<u>iptions</u> Term	Definition
ppm	ppm: parts per million, or milligrams per liter (mg/L)
ppb	ppb: parts per billion, or micrograms per liter (µg/L)
NA NA	NA: not applicable
ND	ND: Not detected

Important Drinking Water Definitions						
Term .	Definition					
MCLG	MCLG: Maximum Contaminant Level Goal: The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.					
MCL	MCL: Maximum Contaminant Level: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.					
· TT	TT: Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.					
AL	AL: Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.					
Variances and Exemptions	Variances and Exemptions: State or EPA permission not to meet an MCL or a treatment technique under certain conditions.					
MRDLG	MRDLG: Maximum residual disinfection level goal. The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.					
MRDL	MRDL: Maximum residual disinfectant level. The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.					
MNR	MNR: Monitored Not Regulated					
MPL	MPL: State Assigned Maximum Permissible Level					

For more information please contact:

Contact Name: Mike Wrenn

P. O. Box 395 Tunica, MS 38676 Phone: 662-363-3159

# The Tunica Times

P.O. Box 308 Tunica, MS 38676

## **Proof of Publication**

## STATE OF MISSISSIPPI COUNTY OF TUNICA

	Before me, the undersigned authority in and for the Caforesaid, this day personally appeared.	County and State
15 sttached)	BROOKS TAYLOR	
,	who, being duly sworn, states on oath that she is the	
	PUBLISHER	
	of The Tunica Times, a newspaper published in the city county aforesaid, with a general circulation in said cobeen published for a period of more than one year, and of the notice, a copy of which is hereto attached, has paper times, at weekly intervals and in the resaid newspaper for the number and dates hereinafter r	ounty, and which ha d that the publicatio s been made in sai egular entire issue o
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